

WE CLAIM:

1. An isolated polynucleotide having at least 70% sequence identity with the nucleotide sequence shown in Figure 1 and proteinase inhibitor 1 (pin1) gene promoter activity.

2. An isolated DNA sequence comprising a polynucleotide molecule selected from the group consisting of that shown in Figures 1, 2, and 3, and any functional fragments thereof having pin1 gene promoter activity.

3. An isolated polynucleotide having at least 70% sequence identity with the nucleotide sequence shown in Figure 4 and amt gene promoter activity.

4. An isolated DNA sequence comprising a polynucleotide molecule selected from the group consisting of that shown in Figure 4, 5 and functional fragments thereof having amt gene promoter activity.

5. An expression vector comprising the polynucleotide according to the claim 1.

6. An expression vector comprising the polynucleotide according to claim 3.

7. A plant cell comprising the expression vector of claim 5.

8. A plant cell comprising the expression vector of claim 6.

9. A transgenic plant comprising the plant cell of claim 7.

10. A transgenic plant comprising the plant cell of claim 8.

11. A method for producing a gene product in a transformed plant cell comprising the steps of:

- (a) constructing a chimeric gene comprising a polynucleotide having at least 70% sequence identity with the nucleotide sequence shown in Figure 1 and pin1 gene promoter activity operably linked to a structural gene;
- (b) transforming a plant cell with the chimeric gene; and
- (c) expressing the chimeric gene in the transformed plant cell to produce the gene product.

12. The method according to claim 11, wherein the nucleotide sequence having pin1 gene promoter activity is selected from the group consisting of that shown in Figures 1, 2, and 3 and any functional fragments thereof having pin1 gene promoter activity.

13. A method for producing a gene product in a transformed plant cell comprising the steps of:

- (a) constructing a chimeric gene comprising a polynucleotide having at least 70% sequence identity with the nucleotide sequence shown in Figure 4 and amt gene promoter activity operably linked to a structural gene;
- (b) transforming a plant cell with the chimeric gene; and
- (c) expressing the chimeric gene in the transformed plant cell to produce the gene product.

14. The method according to claim 13, wherein the nucleotide sequence having amt gene promoter activity is selected from the group consisting of that shown in Figure 4, 6 and any functional fragments thereof having amt gene promoter activity.

15. An isolated polynucleotide having the nucleotide sequence shown in Figure 8 and coding for a protein having pin1 activity.

16. An isolated polynucleotide having the nucleotide sequence shown in Figure 1 coding for the pin1 promoter.

17. An isolated polynucleotide having the nucleotide sequence shown in Figure 9 and coding for a protein having amt enzyme activity.